

ABSTRACT

A light permeable fluorescent cover 6 is provided that comprises a fluorescent material 7 contained in the cover 6 attached on a light emitting diode for emitting a first light with a first peak in blue wavelength range of 420 nm to 480 nm. The fluorescent material 7 emits a second light with a second peak in green wavelength range of 480 nm to 580 nm separated from the first peak and a third light with a third peak in red wavelength range of 580 nm to 750 nm separated from the second peak to synthesize lights in a wide chromaticity area by mixing three primary blue, green and red lights and to irradiate them to outside of the cover 6 in colorful expression.

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